

Abstract

A method is for the compensation of image disturbances in the course of a radiation image recording caused by a defocusing of an antiscatter grid, arranged in the beam path between a beam source and a digital radiation image receiver and focused with respect to a specific distance from the focus of the beam source. Such image disturbances are caused by a defocusing-dictated attenuation of the primary radiation incident on the radiation image receiver. A solid-state image detector includes radiation-sensitive pixels arranged in matrix form and a device for pixelwise amplification of the radiation-dependent signals. In the method, at least some of the signals supplied in pixelwise fashion are amplified by an amplifying device in a manner dependent on the actual distance of the antiscatter grid from the focus.